



(425) 420-9200 FAX 420-9210  
(509) 924-9200 924-9290  
(503) 906-9200 FAX 906-9210  
(541) 383-9310 FAX 382-7588


**Work Order #:** M107008

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
425.420.9200 fax 425.420.9210  
**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
509.924.9200 fax 509.924.9290  
**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588

7 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/03/01 15:02. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M107008**



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
07/04/01 10:43

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB1001SL	M107008-01	Soil	07/03/01 10:35	07/03/01 15:02
01AMB1002SL	M107008-02	Soil	07/03/01 10:40	07/03/01 15:02

COC #139

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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Project: Amchitka  
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**Reported:**  
07/04/01 10:43

**Gasoline Range Organics (n-Hexane to <n-Decane) per AK101**  
**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMB1001SL (M107008-01) Soil</b>						Sampled: 07/03/01	Received: 07/03/01		<b>A-01</b>
Gasoline Range Organics	ND	8.00	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	<i>80.4 %</i>	<i>50-150</i>							
<b>01AMB1002SL (M107008-02) Soil</b>						Sampled: 07/03/01	Received: 07/03/01		<b>A-01</b>
Gasoline Range Organics	ND	6.81	mg/kg wet	50	AK 101	07/03/01	07/03/01	0107013	
<i>Surr: 4-BFB (FID)</i>	<i>71.4 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka  
Project Number: 21090  
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**Reported:**  
07/04/01 10:43

## BTEX, MTBE and Naphthalene per EPA Method 8021B

### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
<b>01AMB1001SL (M107008-01) Soil</b>					Sampled: 07/03/01 Received: 07/03/01				<b>A-01</b>
Benzene	ND	0.0500	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.200	"	"	"	"	"	"	
Ethylbenzene	ND	0.200	"	"	"	"	"	"	
Xylenes (total)	ND	0.400	"	"	"	"	"	"	
Naphthalene	ND	2.00	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	86.4 %	50-150							
<b>01AMB1002SL (M107008-02) Soil</b>					Sampled: 07/03/01 Received: 07/03/01				<b>A-01</b>
Benzene	ND	0.0426	mg/kg wet	50	1B BTEX/MTI	07/03/01	07/03/01	0107013	
Toluene	ND	0.170	"	"	"	"	"	"	
Ethylbenzene	ND	0.170	"	"	"	"	"	"	
Xylenes (total)	ND	0.340	"	"	"	"	"	"	
Naphthalene	ND	1.70	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	77.7 %	50-150							

North Creek Analytical - Mobile Lab

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Project: Amchitka  
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**Reported:**  
07/04/01 10:43

**Gasoline Range Organics (n-Hexane to <n-Decane) per AK101 - Quality Control**

**North Creek Analytical - Mobile Lab**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 0107013 - MeOH Extraction**

**Blank (0107013-BLK1)**

Prepared & Analyzed: 07/03/01

Gasoline Range Organics ND 4.00 mg/kg wet

*Surr: 4-BFB (FID)* 2.20 " 2.50 88.0 50-150

**LCS (0107013-BS2)**

Prepared & Analyzed: 07/03/01

Gasoline Range Organics 29.4 4.00 mg/kg wet 25.0 118 50-150

*Surr: 4-BFB (FID)* 8.92 " 10.0 89.2 50-150

North Creek Analytical - Mobile Lab

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Project: Amchitka  
Project Number: 21090  
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**Reported:**  
07/04/01 10:43

### BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

#### North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 0107013 - MeOH Extraction

##### Blank (0107013-BLK1)

Prepared & Analyzed: 07/03/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

*Surr: 4-BFB* 2.31 " 2.50 92.4 50-150

##### LCS (0107013-BS1)

Prepared & Analyzed: 07/03/01

Benzene	1.99	0.0250	mg/kg wet	2.50	79.6	69-138
Toluene	2.16	0.100	"	2.50	86.4	53-151
Ethylbenzene	2.45	0.100	"	2.50	98.0	61-141
Xylenes (total)	7.09	0.200	"	7.50	94.5	62-141
Naphthalene	2.56	1.00	"	2.50	102	65-135

*Surr: 4-BFB* 2.52 " 2.50 101 50-150

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**Reported:**  
07/04/01 10:43

### Notes and Definitions

A-01 Reported as wet weight, only recieved MeOH preserved bottle.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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## Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107008 FINAL 07 04 01 1043.mdb
			Default Report (not modified)
0107013-BLK1	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
0107013-BS2	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107008-01			No solids data
M107008-01	8021B BTEX/MTBE/N		A-01
M107008-01	AK101 (GRO)		A-01
M107008-01	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported
M107008-02			No solids data
M107008-02	8021B BTEX/MTBE/N		A-01
M107008-02	AK101 (GRO)		A-01
M107008-02	AK101 (GRO)	Gasoline Range Organics	Additional analyte reported